



Time Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

CONNECTICUT, Northeast

CTZ002>004 Hartford - Tolland - Windham

Low pressure passing west of New England brought a period of strong south winds to northern Connecticut. Winds gusted to around 50 mph at several locations, including 52 mph at Bradley International Airport in Windsor Locks and 48 mph at Brainard Field in Hartford. Other places reported wind gusts of 35 to 45 mph.

The strong winds brought down a few tree limbs and power lines, resulting in scattered power outages. Thunder and lightning accompanied periods of briefly heavy rainfall

CTZ002>004 Hartford - Tolland - Windham

15 0000EST 0 0 Heavy Snow 1400EST

An intensifying low pressure system off the coast of Virginia during the early morning hours moved to a position southeast of Nantucket by early afternoon. This system brought a late season snowstorm to northern Connecticut, with snowfall totals of 6 to 9 inches

In Hartford County, 9 inches fell in Unionville, 8 inches in Granby, and 7 inches in Burlington. In Tolland County, nearly 9 inches of snow fell in Storrs, and 8 inches fell in Mansfield and Union. In Windham County, 10 inches of snow were reported in Pomfret, 9 inches in Putnam, and 8 inches in West Thompson. The storm produced difficult travel conditions for the Monday morning commute, and schools were closed in many communities.

CTZ002 Hartford

18 1300EST 0 0 Record Warmth

Bradley International Airport, Windsor Locks

The high temperature of 70 degrees tied the record high for the date at Bradley International Airport in Windsor Locks.

CTZ002>004 Hartford - Tolland - Windham

22 0000EST 0 0 Strong Winds 1800EST

CTZ002 Hartford

23 2000EST 0 0 Flood 25 2200EST

Connecticut River

An intensifying low pressure system moved up the Hudson Valley, and brought strong southerly winds gusting as high as 55 mph. A peak gust to 48 mph was reported in Williamntic, and a gust to 46 mph was reported at Bradley International Airport in Windsor Locks. The strong winds downed tree limbs and power lines, resulting in scattered power outages

Localized heavy rainfall of one to two inches combined with rapid snowmelt to produce flooding along the Connecticut River from Hartford to Middletown. Most of the runoff came from melting snow in the upper reaches of the Connecticut, where mild air quickly ate away at the snowpack that had been built up during the snowstorm the week before. At Hartford, the river crested at 17.4 feet at 4 pm on the 24th, which was a little more than a foot above its flood stage of 16 feet. At Middletown, a crest of 8.7 feet at 7 am on the 25th was about half a foot above the flood stage of 8 feet. Only minor lowland flooding was reported along the river, and there were no reports of damage.





		Time Local/	Path Length	Path Width	Num Per	ber of sons	Estin	nated nage		March 1999
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
MASSACHUSETTS	S, Central	and East								
Franklin County										
Shelburne Falls	03 04	2100EST 0600EST			0	0			Heavy Rain	
Hampden County										
Holland	03 04	2100EST 0600EST			0	0			Heavy Rain	
MAZ002>024	Hamp South	shire - Western	Hampden - E Suffolk - Eas	astern Ham tern Norfoll	pshire - Ea x - Norther	nstern Ha n Bristol	mpden - So	uthern W	ern Essex - Eastern I orcester - Western N - Eastern Plymouth	orfolk -
	04	0100EST 1400EST			0	0			Strong Winds	
MAZ016>017-024	Easter	n Norfolk - Nort	hern Bristol	- Nantucket						
	04	0145EST 1211EST			0	0			High Wind (G60))
	Blue I	Hill Observatory,	Milton							
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Low pressure passing west of New England brought a period of strong south winds to much of Massachusetts. The highest gusts occurred in the eastern part of the state, where winds gusted over 60 mph at several locations. A peak gust of 69 mph was recorded at the Blue Hill Observatory in Milton, and gusts to 61 mph were reported in Taunton and Nantucket. Other strong wind gusts included 56 mph in Milford and Winthrop, 53 mph at Logan International Airport in Boston and Worcester Municipal Airport in Worcester, 51 mph in Provincetown, 49 mph in Beverly, 48 mph in Norwood, 47 mph in Plymouth, and 46 mph in Hyannis and Martha's Vineyard. Other locations in Massachusetts reported wind gusts of 35 to 45 mph. The strong winds only caused minor damage, namely fallen tree limbs and downed wires which resulted in power outages at a few locations.

Heavy rainfall totaled over two inches in parts of western Massachusetts. In less than 12 hours, a total of 2.40 inches of rain fell in Tolland, in Hampden County, and 2.25 inches fell in Shelburne Falls, in Franklin County. There were significant rises on small streams in these counties, but no flooding was reported. Thunder and lightning accompanied some of the heavier downpours.

MAZ002>016

Western Franklin - Eastern Franklin - Northern Worcester - Western Middlesex - Western Essex - Eastern Essex - Western Hampshire - Western Hampden - Eastern Hampshire - Eastern Hampden - Southern Worcester - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk

06 1500EST 0 0 Heavy Snow 1200EST

Low pressure moved eastward from Pennsylvania into the Atlantic , and passed to the south of Cape Cod bringing heavy snow to western, central, and northeast Massachusetts. The snow came in two rounds. Snow began around mid-afternoon on Saturday, March 6th, and accumulated at rates of at least one inch per hour in parts of Worcester, Middlesex, and Essex Counties. By late evening, totals ranged from 6 to 8 inches in these areas.

The second round of snow began early in the morning of Sunday, March 7th, and ended by afternoon. Some of the highest amounts reported, as final storm totals, included 11.5 inches in West Newbury, 11 inches in Gardner, 10 inches in Methuen, Dracut, Woburn, and Pepperell, 9 inches in Harvard, Charlemont, and Chesterfield, 8 inches in Walpole, and 6 inches in East Boston (not Logan Airport). The storm produced poor driving conditions which resulted in several minor accidents. However, since the storm occurred over a weekend, its effects were minimized.

MAZ022 Barnstable

08 1200EST 0 0 Strong Winds
2359EST





March 1999 Time Local/ Path Length Path Number of Estimated Width Damage Persons

MASSACHUSETTS, Central and East

Strong north to northwest winds reached peak sustained speeds of 30 to 35 mph, with gusts over 40 mph, across the outer portion of Cape Cod. The area from Truro to Provincetown received the strongest winds. At the Provincetown Airport, wind speeds averaged as high as 33 mph with gusts to 43 mph during the early evening hours. There were no reports of damage.

MAZ004>007-010>024

Northern Worcester - Western Middlesex - Western Essex - Eastern Essex - Eastern Hampshire - Eastern Hampden -Southern Worcester - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable - Dukes - Nantucket

0000EST 1400EST 15

A strong low pressure system, centered off the coast of Virginia during the early morning hours, moved northeast to a position southeast of Nantucket by early afternoon. This system brought a significant late season snowstorm to much of the state, with the highest snowfall totals reported in eastern and southeastern Massachusetts. Most of the snow fell within a 12 hour period, when snowfall rates exceeded one inch per hour.

The highest total s reported were in southern Bristol County, where amounts approached one foot of snow. Some of the higher totals reported include 11 inches in Fairhaven and at the Blue Hill Observatory in Milton, 10 inches in Westport, Sharon, and Millis, 9 inches in South Plymouth, Brockton, Sagamore Beach, and Falmouth, 8 inches in Hingham and in Tisbury on Martha's Vineyard, and 6 inches on Nantucket. Snowfall totals tapered off to a maximum of 6 to 8 inches in Suffolk, Essex, and Worcester Counties. A few places in Hampshire and Hampden Counties in western Massachusetts reported 6 to 7 inches of snow from the storm.

The heavy snow made travel difficult for the Monday morning commute, and many schools were closed as a result.

MAZ015>016

Suffolk - Eastern Norfolk

Record Warmth 18 1310EST 0 1322EST

Logan International Airport

Record high temperatures were reported in eastern Massachusetts. At Logan International Airport in Boston, the high temperature of 70 degrees at 110 pm broke the previous record high of 68 degrees, which was set in 1934. At the Blue Hill Observatory in Milton, the high temperature of 68 degrees at 122 pm broke the previous record high for the date of 65 degrees, which was set in 1934 and equaled in 1945 and 1966. A record high temperature of 65 degrees was also set in Worcester.

MAZ002>024

Western Franklin - Eastern Franklin - Northern Worcester - Western Middlesex - Western Essex - Eastern Essex - Western Hampshire - Western Hampden - Eastern Hampshire - Eastern Hampden - Southern Worcester - Western Norfolk -Southeast Middlesex - Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable - Dukes - Nantucket

	22	0000EST 1800EST	0	0	100K	Strong Winds
MAZ016	Easter	rn Norfolk				
	22	0706EST	0	0		High Wind (G67)
Hampden County						
Westfield	22	0924EST 1230EST	0	0		Flood
	West	Branch Westfield River				
Hampshire County						
Huntington	22	0924EST 1230EST	0	0		Flood

West Branch Westfield River

An intensifying low pressure system moving up the Hudson Valley brought strong southerly winds and locally heavy rainfall to





Time Path Path Number of Estimated March 1999
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

MASSACHUSETTS, Central and East

Massachusetts. Many places reported wind gusts as high as 50 to 60 mph, and even a couple of hurricane-force gusts were reported in eastern Massachusetts. The peak gust recorded was an unofficial gust of 92 mph at 635 am, on the hurricane barrier at New Bedford, which is at an elevation of 95 feet above mean sea level. About half an hour later, a wind gust of 77 mph was recorded at the Blue Hill Observatory in Milton, which was the highest wind gust to occur at the observatory since November 1, 1997. Other strong wind gusts reported include 57 mph in Carver, 55 mph in Pocasset, 52 mph in Natick and Winthrop, 51 mph in Plymouth, and 50 mph in Acushnet.

The most serious property damage occurred in New Bedford, where 27 windshields were smashed by flying gravel. There were no injuries. In nearby Dartmouth, a window was blown out of a store. Scattered power outages occurred as the strong winds blew down trees and tree limbs onto wires. About 2,100 customers lost power in Duxbury and Marshfield, and up to 2,900 customers lost power in Lowell. Other outages were reported on Cape Cod and the Islands. In Uxbridge, in Worcester County, a large tree fell through the roof of a home. In addition, the strong winds caused delays at Logan International Airport, which lasted up to 90 minutes during the morning.

Minor flooding was reported along the Westfield River and its tributaries in the western part of the state, after 1 to 2 inches of rain combined with rapid snowmelt. The West Branch of the Westfield River at Huntington crested at 9.6 feet at 1045 am, which is about half a foot above its flood stage of 9 feet. A portion of Route 66 in Huntington was closed due to flooding. Minor flooding was reported in Westfield. In Franklin County, several roads and bridges were closed near small streams in Buckland, Ashfield, and Conway.

NEW HAMPSHIRE, Southern

NHZ011>012	Cheshire - Hillsborough
N11ZU11>U12	Cheshire - Thiisborough

04 0100EST 0 0 Strong Winds

Low pressure passed to the west of New England, and brought a period of strong southerly winds to Cheshire and Hillsborough Counties. There were reports of gusts as high as 40 to 50 mph, which downed tree limbs, utility poles, and power lines causing scattered power outages. In Nashua, the strong winds caused a tree to crash through the roof of a house. No injuries were reported.

NHZ011>012 Cheshire - Hillsborough

A low pressure system over Pennsylvania moved eastward into the Atlantic, and passed south of New England, bringing heavy snow to southern New Hampshire. Totals ranged from 6 to 12 inches in most locations. Some of the totals reported include 12 inches in Francestown, 11 inches in Greenfield and Jaffrey, 10 inches in Weare and Rindge, 9 inches in Nashua, 7 inches in Manchester, and 6 inches in Keene, Marlow, and Walpole.

The storm began on a Saturday afternoon and ended on Sunday, which limited its effect on area residents, but still caused poor travel conditions throughout the region.

NHZ011>012 Cheshire - Hillsborough

15 0000EST 0 0 Heavy Snow

An intensifying low pressure system off the coast of Virginia during the early morning hours moved to a position southeast of Nantucket by early afternoon. This system brought a late season snowstorm to southern New Hampshire, with up to 6 to 8 inches of snow. Since it occurred so late in the season, it only caused a minimum of disruption of travel to area residents. Some of the totals reported include 8 inches in Jaffrey, and 6 inches in Rindge, New Ipswich, and Nashua.

NHZ011>012 Cheshire - Hillsborough

22 0300EST 0 0 Strong Winds

An intensifying low pressure system moving up the Hudson Valley brought strong southerly winds to Cheshire and Hillsborough Counties. Wind gusts of 45 to 55 mph were reported in many locations. A peak gust of 53 mph occurred in Manchester, while Nashua reported a peak gust of 46 mph.





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NEW HAMPSHIRE, Southern

In Hillsborough County, the strong winds downed large trees and tree limbs onto houses in Nashua and Hudson. In Merrimack, a tree fell onto a school bus full of children. The bus was damaged but there were no injuries. A strong wind gust flipped a car over, which was traveling northbound on the Everett Turnpike. The driver was not injured. Power outages affected up to 18,000 customers statewide, and one of the more concentrated areas of outages was west of Manchester.

RHODE ISLAND

RIZ001>007

Northwest Providence - Southeast Providence - Western Kent - Eastern Kent - Bristol - Washington - Newport
04 0100EST 0 0 Strong Winds

Low pressure passed west of New England and brought a period of strong south winds to Rhode Island, gusting over 50 mph at several locations. Some of the higher gusts reported include 51 mph at T.F. Green Airport in Warwick and on Block Island, 50 mph in Providence and Middletown, and 47 mph in Tiverton. There were a few reports of downed tree limbs and power lines.

RIZ001>007

Northwest Providence - Southeast Providence - Western Kent - Eastern Kent - Bristol - Washington - Newport

15 0000EST 0 0 Heavy Snow

A strong low pressure system, centered off the coast of Virginia during the early morning hours, moved to a position southeast of Nantucket by early afternoon. This system brought a late season snowstorm to all of Rhode Island, with totals of 7 to 12 inches. At the height of the storm, the snow fell at the rate of one to two inches per hour.

Some of the higher totals reported include 12 inches in West Warwick, 11 inches in Cranston, Charlestown, and Middletown, 10 inches in Providence, Warwick, Burrillville, North Smithfield, Ashaway, and Clayville, 9 inches in Hope Valley, and 6 inches in Portsmouth. The storm produced poor traveling conditions and shut down many schools and businesses across the state.

RIZ002-004

Southeast Providence - Eastern Kent

18 1311EST 0 0 Record Warmth

The high temperature of 71 degrees at T.F. Green State Airport in West Warwick broke the previous record high for the date of 69 degrees, which was set in 1945.

RIZ001>007

RIZ007

Newport 22 0700EST 0 0 High Wind (G56)

Tiverton

An intensifying low pressure system moved up the Hudson Valley, and brought strong southerly winds to Rhode Island. The highest gust reported was 64 mph in Tiverton. Elsewhere, winds gusted to 55 mph in Providence, 54 mph in Middletown, 50 mph in Newport, and 49 mph in Coventry and Smithfield.

The strong winds knocked down tree limbs and power lines, causing scattered power outages which affected 7,000 customers in East Providence, Providence, and Cranston. Also in Cranston, a falling tree limb struck a house which broke a second-floor window.